

REMARKS

In the outstanding official action, the abstract was objected to because of extraneous matter. In response the pending abstract has been cancelled, and a new abstract has been presented in which the extraneous matter has been eliminated.

On the merits, the prior section 102 rejection of the claims has been withdrawn in view of applicant's argument, but a new ground of rejection has been made, with claims 1-9 now being rejected under 35 USC 103 (a) as being unpatentable over Karam et al, in view of Chow et al, for the reasons of record.

In response to this rejection, claims 1, 4, 5 and 7 have been amended, and it is respectfully submitted that these independent claims, and the remaining claims depending therefrom, are clearly patentably distinguishable over the cited and applied references for the reasons detailed below.

More specifically, the claims have been amended to more particularly and precisely recite that the communication system comprises at least a first and a remote second transceiver, and that compensation is provided with respect to distortion of the recovered signals due to channel distortion.

With respect to the subject matter of the instant invention as now more precisely claimed, it is respectfully submitted that the Chow reference does not overcome the admitted deficiencies of Karam as noted in the Action. In particular, in Chow distortion

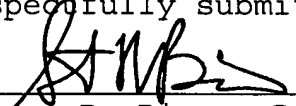
introduced into a signal format by a high power microwave amplifier is locally compensated by adapting to non-linearities in the amplifier and predistorting input signals. Chow further teaches that such compensation may be preformed by using a power curve look-up table. Thus, Chow is specifically directed to compensating for distortion in a local amplifier, which may be due to driving the amplifier into saturation at higher power levels, and Chow expressly states that its system compensates for non-linear behavior of power amplifiers without the need for a receiver disposed at the transmitter.

These teachings, contained in the abstract, summary and throughout the body of the specification of Chow, are clearly distinguishable from the instant invention as now more precisely claimed, at least in that the present system comprises a first and a remote second transceiver, and in that errors due to the recovered signals being distorted by channel distortion are detected and compensated for.

Absent the benefit of impermissible hindsight derived from the instant disclosure, one of ordinary skill in the art attempting to apply the teachings of Chow to Karam would clearly not obtain the present invention as now more precisely claimed, since the teachings of Chow are substantially contrary to those of the present invention.

In view of the foregoing it is respectfully submitted that the currently-pending claims are now in condition for allowance, and favorable consideration is earnestly solicited.

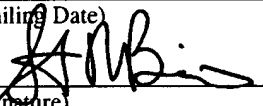
Respectfully submitted,

By 
Steven R. Biren, Reg. 26,531
(914) 333-9630

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